BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WORKS TO TELUGU SCHOOL IN CHOWDESHWARI WARD NO-02

UILDING

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm								
Telugu School								
Ground Floor								
Coridor	Sqm	1	28.8	1.6		46.08		
	Sqm	1	1.9	2.6		4.94		
Ground Floor								
Class Room	Sqm	1	4.1	6.83		28.00		
	Sqm	1	4.16	6.83		28.41		
	Sqm	1	4.15	6.83		28.34		
	Sqm	1	3.95	6.83		26.98		
	Sqm	1	4.23	6.83		28.89		
	Sqm	1	4	6.83		27.32		
Skirting								
Coridor	Sqm	1	60.8		0.15	9.12		
	Sqm	1	9		0.15	1.35		
Class Room	Sqm	1	21.86		0.15	3.28		
	Sqm	1	21.98		0.15	3.30		
	Sqm	1	21.96		0.15	3.29		
	Sqm	1	21.56		0.15	3.23		
	Sqm	1	22.12		0.15	3.32		
	Sqm	1	21.66		0.15	3.25		
Deduction								
D	Sqm	12	0.9		-0.15	-1.62		
Basic rate							2051.00	
Area weightage 8%							164.08	
Total						**247.49**	**2215.08**	**548211.70**
First Floor								
Class Room	Sqm	1	6.76	4.13		27.92		
Class Room	Sqm	1	6.76	4.2		28.39		
Class Room	Sqm	1	6.76	4.15		28.05		
Class Room	Sqm	1	6.76	3.95		26.70		
Class Room	Sqm	1	6.76	4.46		30.15		
Class Room	Sqm	1	6.76	4.23		28.59		
						0.00		
Coridor	Sqm	1	29.73	1.6		47.57		
	Sqm	1	1.9	2.5		4.75		
	Sqm	1	9	1.08		9.72		
Skirting								
Class Room	Sqm	1	21.78		0.15	3.27		
Class Room	Sqm	1	21.92		0.15	3.29		
Class Room	Sqm	1	21.82		0.15	3.27		

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Class Room	Sqm	1	21.42		0.15	3.21		
	Class Room	Sqm	1	22.44		0.15	3.37		
	Class Room	Sqm	1	21.98		0.15	3.30		
	Coridor	Sqm	1	62.66		0.15	9.40		
		Sqm	1	8.8		0.15	1.32		
		Sqm	1	20.16		0.15	3.02		
	Deduction								
	D	Sqm	12	0.9		-0.15	-1.62		
	Basic rate							2051.00	
	Add lift charges for First Floor							2.00	
	Sub Total							2053.00	
	Area weightage 8%							164.24	
	Total						**263.68**	**2217.24**	**584633.42**
	Second Floor								
	Class Room	Sqm	1	12.83	6.83		87.63		
	Class Room	Sqm	1	12.6	6.83		86.06		
	Coridor	Sqm	1	29.73	1.6		47.57		
		Sqm	1	1.9	2.5		4.75		
		Sqm	1	9	1.08		9.72		
	Skirting								
	Class Room	Sqm	1	39.32		0.15	5.90		
	Class Room	Sqm	1	38.86		0.15	5.83		
	Coridor	Sqm	1	62.66		0.15	9.40		
		Sqm	1	8.8		0.15	1.32		
		Sqm	1	20.16		0.15	3.02		
	Deduction								
	D	Sqm	4	0.9		-0.15	-0.54		
	Basic rate							2051.00	
	Add lift charges for Second Floor							4.00	
	Sub Total							2055.00	
	Area weightage 8%							164.4	
	Total						**260.65**	**2219.40**	**578497.49**
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar.** Pg No.139 Item No.18.23								
	Building								
		Cum	2	3.80	0.20	2.90	4.41		
		Cum	2	5.10	0.20	2.90	5.92		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						**10.32**	**379.08**	**3913.62**

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footings								
	C1	Cum	9	1.5	1.5	1.5	30.38		
	SSM Footing								
	Along longer Direction	Cum	2	4.4	0.75	0.75	4.95		
		Cum	1	5.6	0.75	0.75	3.15		
		Cum	3	3.7	0.75	0.75	6.24		
		Cum	1	0.75	0.75	0.75	0.42		
	Along shorter Direction	Cum	3	4.3	0.75	0.75	7.26		
		Cum	3	3.6	0.75	0.75	6.08		
		Cum	1	1.45	0.75	0.75	0.82		
	Compound Wall	Cum	1	10.2	0.75	0.75	5.74		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						65.03	484.92	31531.92
4	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	C1	Cum	9	1.5	1.5	0.15	3.04		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						3.04	2623.32	7968.33
5	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	C1	Cum	9	1.5	1.5	0.15	3.04		
	SSM Below								
	Along longer Direction	Cum	2	6.05	0.75	0.15	1.36		
		Cum	1	7.25	0.75	0.15	0.82		
		Cum	3	5.2	0.75	0.15	1.76		
		Cum	1	1.3	0.75	0.15	0.15		
	Along shorter Direction	Cum	3	6.4	0.75	0.15	2.16		
		Cum	3	3.6	0.75	0.15	1.22		
		Cum	1	2	0.75	0.15	0.23		
	Compound Wall	Cum	1	10.2	0.75	0.15	1.15		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						11.86	5510.16	65367.72

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Above SSM								
	Along longer Direction	Cum	2	6.05	0.60	0.15	1.09		
		Cum	1	7.25	0.60	0.15	0.65		
		Cum	3	5.20	0.60	0.15	1.40		
		Cum	1	1.3	0.60	0.15	0.12		
	Along shorter Direction	Cum	3	6.40	0.60	0.15	1.73		
		Cum	3	3.60	0.60	0.15	0.97		
		Cum	1	2.00	0.60	0.15	0.18		
	Compound Wall	Cum	1	10.2	0.6	0.15	0.92		
	Below cloumn Rie below	Cum	1	25.8	0.5	0.15	1.94		
		Cum	1	11.65	0.5	0.15	0.87		
	Plinth Area	Cum	1	6.80	2.70	0.15	2.75		
		Cum	1	6.80	3.80	0.15	3.88		
		Cum	1	2.00	1.20	0.15	0.36		
	Basic rate							5328.00	
	Area weightage 8%							426.24	
	Total						**16.86**	**5754.24**	**97012.17**
7	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Below GL								
	Along longer Direction	Cum	2	6.05	0.60	0.6	4.36		
		Cum	1	7.25	0.60	0.6	2.61		
		Cum	3	5.20	0.60	0.6	5.62		
		Cum	1	1.30	0.60	0.6	0.47		
	Along shorter Direction	Cum	3	6.40	0.60	0.6	6.91		
		Cum	3	3.60	0.60	0.6	3.89		
		Cum	1	2.00	0.60	0.6	0.72		
	Compound Wall	Cum	1	10.2	0.6	0.6	3.67		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**28.24**	**4963.68**	**140184.25**
8	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.13								
	SSM above ground Level	Cum	1	2	0.60	0.45	0.54		
		Cum	1	0.70	0.60	0.45	0.19		
	Compound Wall	Cum	1	10.2	0.6	0.45	2.75		

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Steps	Cum	2	1.5	0.9	0.15	0.41		
		Cum	2	1.5	0.6	0.15	0.27		
		Cum	2	1.5	0.3	0.15	0.14		
	Deduction								
	Gate	Cum	-1	4.00	0.60	0.45	-1.08		
	Basic rate							6005.00	
	Area weightage 8%							480.40	
	Total						**3.21**	**6485.40**	**20837.59**
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum	from item no 3				65.03		
	PCC for Footing	Cum	from item no 5				-11.86		
	SSM Footing	Cum	from item no 7				-28.24		
	Column Footings	Cum	from item no 17				-7.09		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**17.83**	**217.08**	**3871.05**
10	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum	from item no 2 and 3				75.35		
	Filling Available of Excavated Earth		from item no 9				-17.83		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading				Basic rate	2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**57.52**	**67.09**	**3858.77**
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footings								
	C1	Sqm	9	6		0.35	18.90		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**18.90**	**278.64**	**5266.30**

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Longer span	Sqm	6	7.4		0.60	26.64		
	Shorter Span	Sqm	6	6.7		0.60	24.12		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						**50.76**	**386.64**	**19625.85**
13	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Column Shuttering								
	C1	Sqm	9	1.5		2.55	34.43		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**34.43**	**492.48**	**16953.62**
14	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Lintels								
	Lintels over main wall								
	Through lintels								
	Along Longer span	Sqm	2	6.05		0.2	2.42		
	Along Shorter Span	Sqm	2	6.4		0.2	2.56		
	Lintels over partition wall								
		Sqm	6	5.2		0.2	6.24		
	Beams								
	Longer Span	Sqm	6	7.4		0.3	13.32		
	Shorter Span	Sqm	6	6.7		0.3	12.06		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**36.60**	**315.36**	**11542.176**
15	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Edges of slab								
	Roof Slab	sqm	1	29.4		0.15	4.41		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**4.41**	**815.4**	**3595.914**
16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS								
	Roof Slab	sqm	1	7.4	7.3		54.02		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**54.02**	**432.00**	**23336.64**

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footings								
	C1	Cum	9	1.5	1.5	0.35	7.09		
	Plinth Beam								
	Longer span	Cum	3	7.4	0.2	0.60	2.66		
	Shorter Span	Cum	3	6.7	0.2	0.60	2.41		
	Column below plinth								
	C1	Cum	9	0.3	0.45	0.85	1.03		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						**13.20**	**6276.96**	**82832.33**
18	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Column	Cum	9	0.3	0.45	2.55	3.10		
	Lintels over main wall								
	Through lintels								
	Longer span	Cum	1	6.05	0.2	0.2	0.24		
	Shorter Span	Cum	1	6.4	0.2	0.2	0.26		
	Lintels over partition wall								
		Cum	3	5.2	0.1	0.2	0.31		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						**3.91**	**6528.60**	**25515.40**
19	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Roof Slab	Cum	1	7.4	7.3	0.15	8.10		
	Beam								
	Longer Span	Cum	3	7.4	0.2	0.3	1.33		
	Shorter Span	Cum	3	6.7	0.2	0.3	1.21		
	Basic rate							5497.00	
	Area weightage 8%							439.76	
	Total						**10.64**	**5936.76**	**63173.06**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
Footing	Cum	Concrete Quantity				7.09		
	kg	Steel assumed 150Kg/Cum of Concrete				1063.1		
	tonne							
Plinth beam	Cum	Concrete Quantity				1.26		
	kg	Steel assumed 150 Kg/Cum of Concrete				5.08		
	tonne					761.40		
Column	Cum	Concrete Quantity				0.86		
	kg	Steel assumed 150 Kg/Cum of Concrete				4.13		
	tonne					619.65		
Lintels	Cum	Concrete Quantity				0.62		
	kg	Steel assumed 100 Kg/Cum of Concrete				0.81		
	tonne					81.00		
Roof Slab	Cum	Concrete Quantity				0.08		
	kg	Steel assumed 150 Kg/Cum of Concrete				8.10		
	tonne					1215.45		
Beam	Cum	Concrete Quantity				1.32		
	kg	Steel assumed 150 Kg/Cum of Concrete				2.54		
	tonne					380.7		
Basic rate						0.38		
Area weightage 8%							78007.00	
Total							6240.56	
21 KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1						4.52	84247.56	380910.60
Walls								
Long wall	Sqm	2	6.05		2.55	30.86		
	Sqm	1	7.25		2.55	18.49		
Short wall	Sqm	2	6.7		2.55	34.17		
Compound Wall	Sqm	1	10.2		2	20.40		
Compound wall Rise	Sqm	1	25.8		0.65	16.77		
	Sqm	1	11.65		0.65	7.57		
Deduction								
Through Lintel(V)								
Longer Span	Sqm	-1	6.05		0.2	-1.21		
Shorter Span	Sqm	-1	6.4		0.2	-1.28		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
D	Sqm	-2	0.9		2.1	-3.78		
V	Sqm	-12	0.6		0.75	-5.4		
Gate	Sqm	1	4		-1.8	-7.20		
Basic rate							912.00	
Area weightage 8%							72.96	
Total						109.39	984.96	107739.85

2 KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28

Long wall	Sqm	3	5.2		2.85	44.46		
Short wall	Sqm	12	1.2		2.85	41.04		
	Sqm	1	2		2.85	5.70		
Deductions								
Through Lintel(V)	Sqm	-3	5.2		0.2	-3.12		
DI	Sqm	-12	0.75		2.1	-18.90		
Basic rate							811.00	
Area weightage 8%							64.88	
Total						69.18	875.88	60593.38

23 KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16

External Plastering								
Long wall	Sqm	1	7.4		3	22.2		
	Sqm	1	8.6		3	25.8		
Short wall	Sqm	2	7.1		3	42.6		
	Sqm	1	2.2		3	6.6		
Compound Wall	Sqm	2	10.2		2	40.8		
Compound wall Rise	Sqm	2	25.8		2	103.2		
	Sqm	2	11.65		2	46.6		
Deductions								
D	Sqm	-2	0.9		2.1	-3.78		
V	Sqm	-12	0.6		0.75	-5.4		
Gate	Sqm	2	4		-1.8	-14.4		
Basic rate							261.00	
Area weightage 8%							20.88	
Total						264.22	281.88	74478.33

24 KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10

Internal Plastering								
Along Long wall	Sqm	4	7		0.9	25.2		
Along short wall	Sqm	2	1.3		0.9	2.34		
Passage	Sqm	1	2		0.9	1.8		
	Sqm	1	1.2		0.9	1.08		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
WC	Sqm	12	1.2		0.75	10.8		
Deductions								
V	Sqm	-12	0.6		0.75	-5.4		
D	Sqm	-2	0.9		2.1	-3.78		
D1	Sqm	-12	0.75		2.1	-18.9		
Basic rate							204.00	
Area weightage 8%							16.32	
Total						13.14	220.32	2895.00

5 KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22

Ceiling plastering								
Gents Toilet								
Passage	Sqm	1	7	1.6		11.2		
	Sqm	1	1.8	1.3		2.34		
W.C	Sqm	4	1.2	1.2		5.76		
Ladies Toilet								
Passage	Sqm	1	7	1.2		8.4		
	Sqm	2	2.6	1.8		9.36		
W.C	Sqm	8	1.2	1.2		11.52		
Beams	Sqm	2	7.3		0.3	4.38		
Basic rate							225.00	
Area weightage 8%							18.00	
Total						52.96	243.00	12869.28

26 KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-117, Item No-15.30.

Rough plaster								
Gents Toilet								
Along long wall								
Passage	Sqm	2	7		2.1	29.4		
Along Short wall								
Passage	Sqm	2	2.9		2.1	12.18		
W.C	Sqm	4	4.8		2.1	40.32		
Ladies Toilet								
Along long wall	Sqm	2	7		2.1	29.4		
Along Short wall	Sqm	2	2.9		2.1	12.18		
WC	Sqm	8	4.8		2.1	80.64		
Entrance	Sqm	1	1.2		2.1	2.52		
	Sqm	1	2		2.1	4.2		
Deductions								
D	Sqm	-2	0.9		2.1	-3.78		
D1	Sqm	-12	0.75		2.1	-18.9		
Basic rate							205.00	
Area weightage 8%							16.40	
Total						188.16	221.40	41658.62

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
Internal Plastering	Sqm	1	same as inside plastered walls and ceiling			66.10		
Basic rate							78.00	
Area weightage 8%							6.24	
Total						66.10	84.24	5568.26
KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
Internal Painting	Sqm		Same as Ceiling plastering			52.96		
Basic rate							90.00	
Area weightage 8%							7.2	
Total						52.96	97.20	5147.71
KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).								
External painting								
Ground Floor	Sqm		Same as External plastering			264.22		
Basic rate							102.00	
Area weightage 8%							8.16	
Total						264.22	110.16	29106.48
KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping, under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
Hardner Concrete								
Gents Toilet								
Passage	Sqm	1	7	1.6		11.2		
	Sqm	1	1.8	1.3		2.34		
W.C	Sqm	4	1.2	1.2		5.76		
Ladies Toilet								
Passage	Sqm	1	7	1.2		8.4		
	Sqm	2	2.6	1.8		9.36		
W.C	Sqm	8	1.2	1.2		11.52		
Entrance	Sqm	1	2	1.2		2.4		
Basic rate							631.00	
Area weightage 8%							50.48	
Total						50.98	681.48	34741.85

o	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x600 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting nd jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing joints etc including Cost of all materials mortar labour etc complete as per specificationPg no. 109 Item No 14.45.1								
	Gents Toilet								
	Passage	Sqm	1	7	1.6		11.2		
		Sqm	1	1.8	1.3		2.34		
	Ladies Toilet								
	Passage	Sqm	1	7	1.2		8.4		
			1	2.6	1.8		4.68		
	Entrance	Sqm	1	2	1.2		2.4		
	Basic Rate							1137.00	
	Area weightage 8%							90.96	
	Total						**29.02**	**1227.96**	**35635.40**
2	KSRB 14.14-5: Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Pg No 108,Item No14.36 .2								
	Ceramic tiles								
	Gents Toilet								
	W.C	Sqm	4	1.2	1.2		5.76		
	Ladies Toilet								
	W.C	Sqm	8	1.2	1.2		11.52		
	Basic Rate							1210.00	
	Area weightage 8%							96.8	
	Total						**17.28**	**1306.80**	**22581.50**
3	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Pg No 108,Item No14.41.2								
	Wall Cladding								
	Gents Toilet								
	Along long wall								
	Passage	Sqm	2	7		2.1	29.4		
	Along Short wall								
	Passage	Sqm	2	2.9		2.1	12.18		
	W.C	Sqm	4	4.8		2.1	40.32		
	Ladies Toilet								
	Along long wall	Sqm	2	7		2.1	29.4		
	Along Short wall	Sqm	2	2.9		2.1	12.18		
	WC	Sqm	8	4.8		2.1	80.64		
	Entrance	Sqm	1	1.2		2.1	2.52		
		Sqm	1	2		2.1	4.2		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deductions								
	D	Sqm	-2	0.9		2.1	-3.78		
	D1	Sqm	-12	0.75		2.1	-18.9		
	Basic Rate							1632.00	
	Area weightage 8%							130.56	
	Total						**188.16**	**1762.56**	**331643.29**
34	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	D	Nos	2				2.00		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						**2.00**	**1475.28**	**2950.56**
35	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	D	cum	2	6	0.075	0.1	0.09		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						**0.09**	**94612.3**	**8515.11**
36	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	D	sqm	2	0.9		2.1	3.78		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						**3.78**	**5099.76**	**19277.09**
37	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95								
	D1	m	12	5.70			68.40		
	Basic rate							450.00	
	Area weightage 8%							36.00	
	Total						**68.40**	**486.0**	**33242.40**

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deductions								
	D	Sqm	-2	0.9		2.1	-3.78		
	D1	Sqm	-12	0.75		2.1	-18.9		
	Basic Rate							1632.00	
	Area weightage 8%							130.56	
	Total						**188.16**	**1762.56**	**331643.29**
34	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	D	Nos	2				2.00		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						**2.00**	**1475.28**	**2950.56**
35	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	D	cum	2	6	0.075	0.1	0.09		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						**0.09**	**94612.3**	**8515.11**
36	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	D	sqm	2	0.9		2.1	3.78		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						**3.78**	**5099.76**	**19277.09**
37	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95								
	D1	m	12	5.70			68.40		
	Basic rate							450.00	
	Area weightage 8%							36.00	
	Total						**68.40**	**486.0**	**33242.40**

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
38	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.62, I.No.9.94								
	D1	Sqm	12	0.75		2.1	18.90		
	Basic rate							3800.00	
	Area weightage 8%							304.00	
	Total						**18.90**	**4104.0**	**77565.60**
39	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	D	sqm	2	6		0.1	1.2		
		sqm	4	6	0.075		1.8		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						**3.00**	**104.76**	**314.28**
40	Providing & of Fixed Louvered Ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections with Minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets-grey colour having isolated drainage and reinforced with Galvanized Iron profiles through out the Ventilator Frame. The frame having a overall size of 39mm x 39mm with GI reinforcement of 1 mm thickness. Louver clip in Aluminium(powder coated in white) will be used on the frame along with plastic parts for fixing the4mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size-1000mm X 1000mm.								
	V	Sqm	12	0.60		0.75	5.40		
	Basic Rate							3632.00	
	Area weightage 8%							290.56	
	Total						**5.40**	**3922.56**	**21181.82**
41	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	V	Kg	12			9.45	113.4		
				21kg per sqm 0.6*0.75*21=9.45					
	Basic Rate							95.00	
	Area weightage 8%							7.6	
	Total						**113.4**	**102.60**	**11634.84**

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
42	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	Ventilator	sqm		Ventilator qty			5.40		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						5.40	102.60	554.04
43	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	Terrace	Sqm	1	7.4	7.3		54.02		
	Basic Rate							526.00	
	Area weightage 8%							42.08	
	Total						**54.02**	**568.08**	**30687.68**
44	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Filling								
	Gents Toilet	cum	1	6.80	2.7	0.60	11.02		
	Ladies Toilet	cum	1	6.80	3.80	0.60	15.50		
	Entrence passage	cum	1	2.00	1.2	0.60	1.44		
	Basic rate							325.00	
	Area weightage 8%							26.00	
	Total						**27.96**	**351.00**	**9813.96**
45	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. P. No. 45 / I. No. 7.37								
	Gate	Sqm	1	4.00		2	8.00		
	Basic Rate							3012.00	
	Area weightage 8%							240.96	
	Total						8.00	3252.96	26023.68

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WORKS TO TELUGU SCHOOL IN CHOWDESHWARI WARD NO-02

SUMP

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
46	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	For sump	cum	1	3.7	3.7	1.90	26.01		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**26.01**	**484.92**	**12613.25**
47	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	For sump	Cum	1	3.70	3.70	0.10	1.37		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**1.37**	**5510.16**	**7543.41**
48	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Bottom slab	Sqm	1	14.8		0.15	2.22		
	Sump walls	Sqm	4	3.7		1.8	26.64		
		Sqm	4	3.4		1.8	24.48		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**53.34**	**278.64**	**14862.66**
49	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Cover slab	Sqm	1	3.7	3.7		13.69		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**13.69**	**432.00**	**5914.08**

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
50	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	For sump								
	Bottom slab	Cum	1	3.70	3.70	0.15	2.05		
	Sump walls	Cum	2	3.70	0.15	1.80	2.00		
		Cum	2	3.40	0.15	1.80	1.84		
	Cover slab	Cum	1	3.70	3.70	0.15	2.05		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						7.94	6276.96	49845.34
51	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Sump	Cum					7.94		
		kg	Steel assumed 150 Kg/Cum of Concrete				1191.15		
	Basic rate	Tonne					1.19	78007.00	
	Area weightage 8%							6240.56	
	Total	tonne					1.19	84247.56	100351.48
52	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 75 item no. 11.44								
	For sump	No.s	4				4.00		
	Basic rate							276.00	
	Area weightage 8%							22.08	
	Total						4.00	298.08	1192.32

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
53	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	EARTH	Cum	From Item No. 46				26.01		
	unloading item	Cum						57	
	Basic rate for haulage of materials as per item No. 17.4	t.km	For surface roads exluding Basic rate loading & unloading					2	
	Average Weight of earth (1.28 Tonne/cum.) .)	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**26.01**	**67.09**	**1745.07**
54	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	For sump								
	Bottom slab	Sqm	1	3.7	3.7		13.69		
	Sump walls	Sqm	2	3.7		1.8	13.32		
		Sqm	2	3.4		1.8	12.24		
	Cover slab	Sqm	1	3.7	3.7		13.69		
	Basic rate							526.00	
	Area weightage 8%							42.08	
	Total						**52.94**	**568.08**	**30074.16**

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WORKS TO TELUGU SCHOOL IN CHOWDESHWARI WARD NO-02

lectrical Works

Lno	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			INTERNAL WIRING SYSTEM				
55			Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694. and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
a	Pg 5	Item 2.1.1	Short point upto 3m	Point	3	200.00	600
b	Pg 5	Item 2.1.2	Medium point above 3m - 6m	Point	3	275.00	825
56	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary				
a	Pg 2	Item 1.2.2	25mm dia. 2mm thick	Rm	25	53.00	1325
57	pg 2	item 1.3	Groove cutting Supplying heavy gauge conduit PVC 25/2mm of thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rm	15	51.00	765
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rm	20	54.00	1080
58	pg 9	item 3.4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	34	95.00	3230
b	Pg 9	item 3.4.2	4 - 5 Way	Each	34	105.00	3570
59	pg 9	item 3.1	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountin in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	No	52	132.00	6864
60	pg 9	item 3.2	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	25	150.00	3750
61	pg 15	item 3.3	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854				
a		3.3.4	16Amps Combined switch and socket with indication	No	4	194.00	776

Lno	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
62			Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments				
a	Pg 6	Item 2.3.2	1.5sqmm	Rm	231.2	20.05	4635.56
b	Pg 6	Item 2.3.3	2.5sqmm	Rm	221.2	32.00	7078.4
63	Pg 3	Item 1.12	Supplying and fixing Metal Fan Box with Round Hook	Each	5	85.00	425
64	pg 27	5.18	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute				
b	pg 28	5.18.4	**12 way SP & N**	Nos	2	1210	2420
65	pg 47	6.16	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898				
a	pg 47	6.16.3	**5-32 AMPS DP**	Nos	2	909	1818
66	Pg 55	7.1	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect. the pipe shall have 16 through holes of 122mm dia,	No	1	2999.70	2999.7
67			Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required.				
a	Pg 55	7.3.1	**25 x 3mm G.I strip**	Mtr	50	75.00	3750
68	pg 78	9.1	Supply Exhaust fan if 1440 RPM of (12") size with dracket blades complete for light duty suitable to -ocrate on 230V 50Hz, supply complete	Each	2	1200.00	2400
			LIGHT FIXTURES				
69	Pg 69	item 12.4.2	Supplying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting	Nos	54	300.00	16200
70	Pg 46	Item 7.3	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system				
a	Pg 46	item 7.3.1	48" sweep (1200mm)	Each	22	2090.00	45980

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WORKS TO TELUGU SCHOOL IN CHOWDESHWARI WARD NO-02

PLUMBING WORKS

Sl No	Description	Units	Rate(RS.)	Area Weightage 8%	Total Rate (RS.)	Quantity	Amount (RS.)
71	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet europeon** type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification no.KBS 11 page no 79 item No.12.5	Each	4,956.00	396.48	5,352.48	12	64229.76
72	KSRB 11.11.1 : Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification No. KBS 11. page no 82 item No.12.23	Unit	3,149.00	251.92	3,400.92	7	23806.44
73	KSRB 11-9.2 : Providing and fixing white vitreous china clay,flat back or half stall **urinal basin** of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.Specification No. KBS 11. page no 81 item No.12.16	Unit	8,073.00	645.84	8,718.84	7	61031.88
74	KSRB 11.15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. page no 84 item No.12.41	Unit	1,136.00	90.88	1,226.88	2	2453.76

75	KSRB 11.17.1: Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications.	Unit	739	59.12	798.12	6	4788.72
76	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	150.00	12.00	162.00	26	4212
77	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe						
a	- do - 110 mm dia	m	434	34.72	468.72	25	11718
b	do- 160mm dia	m	853	68.24	921.24	35	32243.4
78	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. (P.No. 75/ I.No.11.50.2)	Nos.	8490	679.2	9169.2	3	27507.6
WATER SUPPLY WORK							
79	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 3000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78	Each	20484	1,638.72	22,122.72	2	44245.44

80	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.24	Each	173	13.84	186.84	25	4671
81	KSRB-13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.27	Each	141	11.28	152.28	15	2284.2
82	KSRB-13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.6/ 13.3 page no 93 item no 13.33	Each	336	26.88	362.88	2	725.76
83	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3						
a	20mm nominal OD pipes	m	235	18.80	253.80	45	11421
b	25mm nominal OD pipes	m	293	23.44	316.44	35	11075.4
						Total Plumbing Amount	306414.36
						Total Building Amount	3725059.94
						Total Electrical Amount	110491.66
						Sump	224141.76
						Sub Total	4366107.73
						GST Charges (12% of estimated cost)	523932.93
						Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)	50000.00
						Project management Consultancy Charges(1% of estimated cost)	50000.00
						Miscellaneous and Rounding off	9959.34
						Grand Total	5000000
						RUPEES FIFTY LAKHS ONLY	

Technical Sanction
Accorded for ..50.00 Lakhs
Head of A/C..P-3853...
CER NO :..16.2..... Dt:22/02/21
TA I CE (YNK)

Administrative sanction for Rs. 50 Lakhs
(Rupees fifty lakhs only)
is accorded under head P-3853
Expenses Development works
Registered as Cr.No. 95
to conditions contained in enclosed
No.SSE/EE(YNK)/BS/95/20-21 Dt:20/01/2021

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issued Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP